

NEW BW IM - Global Inventory Reporting

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- Reports (Queries/Workbooks)
- Stock Valuation
- In Transit



Objective

New reporting solution brings Stock data from the same source as the old one (WP1+PF1) but merging them in BW with objective to:

- **Report** Inventory related data in timely, precise and transparent way
- **Harmonize** data from both system for easier and more precise reporting
- **Enable** global analysis
- **Provide** better user's experience
- **Ensure** easier future maintenance
- **Minimize** impacts of source data quality problems
- **Create** a new Dashboard "Inventory Visibility Tool"

Reports (Queries/Workbooks)

CATEGORY	SUB-CATEGORY	NAME	BW TECHNICAL NAME	Data available in Dashboard
Dashboard		Inventory Visibility Tool		
BW Query	Stock analysis (Inventory Values and Quantities)	BW Validation SAC	BW_QRY_CPIMMM01_0002	Yes
		Master Query	BW_QRY_CPIMMM01_0004	No
		Stock Movement All types	BW_QRY_CPIMMM01_0013	No
		Stock Values and Quantities	BW_QRY_CPIMMM01_0012	No
	SMOG	SMOG (Monthly Slow Moving and Off-Grade Goods)	BW_QRY_CPMIMM02_0001	Yes
	DIOH	Days Inventory On Hand	BW_QRY_CPIMMM01_0014	Yes

Stock Valuation

- (Standard) Stock Value - Calculated based on Stock Quantity multiplied by Unit price (Standard or Moving Average, based on Material/Plant definition)
- Stock Value with integration rate - (Standard) Stock Value multiplied by "company integration rate" coefficient (typically 0%, 25%, 50% or 75%) referring to the share of stock which belongs to Solvay Group.
- Integrated Margin Stock Value - Accounting/Financial figure based on the "Model S" merged with the Inventory model

Valuation on Batch Level

Valuation of stock is typically done on Material/Plant level, Batch-level data were not valued. Value has been exploded by Batch quantities to enable e.g. SMOG reporting.

In Transit

Inclusion of daily "in transit" figures (values and quantities) based on Finance/Accounting program:

SAP Standard process doesn't fully enable to track stock in transit (when material is issued from one plant, but not yet received to another plant)

To provide visibility on such stock, a specific program was developed to track it and send data every day to BW, where it is added to the "standard" Stock in plants.

There are 3 types of "In-Transit" evaluated by Finance

- *Intercompanies Inbounds* : stocks between 2 Solvay plants (replenishment, stock transfers), stock has left Plant 1 and has not yet arrived in Plant 2.
- *External Inbounds* : inbound flows coming from external suppliers : purchases made with incoterm FCA or Ex-works, and Solvay has to organize the transport from the supplier plant. We consider that the stock belongs to Solvay as soon as the carrier loaded it ==> these flows are identified by a tick that Supply Chain teams have to update somewhere in the Purchase order to indicate that the goods left the supplier plant.
- *Outbounds* : stocks shipped and invoiced that are restored in our financial books because the transfer of property did not happen yet.